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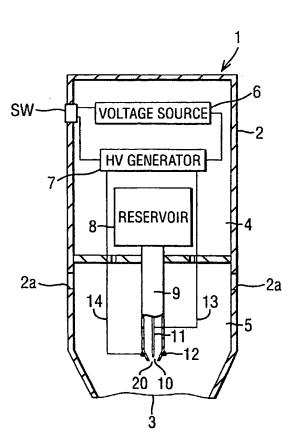
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[Continued on next page]

(54) Title: DISPENSING DEVICES AND LIQUID FORMULATIONS



(57) Abstract: Methods are described of delivering biological material, which methods include the steps of providing a liquid formulation containing the biological material, supplying the liquid formulation to an outlet and subjecting liquid issuing from the outlet to an electrical field thereby causing electrohydrodynamic processing of the liquid without denaturing the biological material. In one example, the liquid formulation is provided by removing salts form a formulation containing biological material that does not denature in alcohol and then adding an alcohol to the formulation before supplying the liquid formulation to the outlet. An acid may be added to the liquid formulation before supplying the liquid formulation to the outlet.

WO 01/74431 A3

WO 01/74431 A3



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rnational Application No PCT/GB 01/01529

A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

4

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS

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	as described in the continuation of hour C	<u> </u>

Patent family members are listed in annex. X

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